

# **Technology Transfer Initiative Basic Research and Higher Education Program**

**U.S. Department of State Fourth Annual  
Conference on Program Evaluation  
June 7-8, 2011  
George C. Marshall Center**



# Contact Information



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# Acronyms Used in Presentation (in order of use)

- **BRHE:** Basic Research and Higher Education
- **TTO:** Technology Transfer Office
- **TLO:** Technology Licensing Office
- **OECD:** Organization for Economic Cooperation and Development
- **REC:** Research and Education Center
- **AUTM:** Association of University Technology Managers
- **TEDP:** Technology Entrepreneurship Development Program
- **STEP:** Science and Technology Entrepreneurship Program
- **VC:** venture capitalist



# Presentation Summary

## Context for BRHE Technology Transfer Initiative

- **Phase I:** Technology Transfer Training
- **Phase II:** Establishment of Technology Transfer Offices
- **Phase III:** Current Innovation Practicum



# **Context: Basic Research and Higher Education Defined**

- Initiated by CRDF Global and RF Ministry of Education and Science in 1998
- Largest privately funded CRDF Global Program
- Main Goal: Integrate Research and Education in 20 Russian Universities
- Curriculum constantly renewed with research results
- Equipment base of universities strengthened
- External relations strongly encouraged
- Focus on students and young scientists



# Context: Commercialization – Not an Original Program Goal

- Not envisioned when program was first conceived
- Title says it all: **Basic** Research and Higher Education
- CRDF Global Board, Staff and BRHE Governing Council Members recognized an emerging opportunity



# Overall Timeline

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>PHASE ONE:</b> Training											
<b>PHASE TWO:</b> TTOs											
<b>PHASE THREE:</b> Practicum and US travel											



# **Phase I: Technology Transfer Training (2002-2008)**

- Carried out in cooperation with OECD
- Provided annual training for all RECs in Technology Commercialization
  - Focus on roles and responsibilities
  - Increasing sophistication of topics
- Included visit to U.S. for AUTM Training/Study Tour of TTOs (DoS-funded)
- Discontinued after 2008
  - OECD funding difficulties
  - Sense that RECs had outgrown the format





## Phase II: Establishment of TTOs

- Eight TTOs established in two competitions
- Co-Funded with MES
- Provide 3 years of support
- Evaluation favorable, but bears further examination



## Phase II: Location of 8 TTOs

1. Nizhny Novgorod State University
2. Urals State University/*Urals State Technical (now Urals Federal University)*
3. St. Petersburg State University
4. Tomsk State University
5. Saratov State University
6. Kazan State University  
*(now Kazan Federal University)*
7. St. Petersburg Mining University
8. Petrozavodsk State University





# **Phase III: Innovation Practicum: The context**

- **Represents shift from theoretical to practical**
- **Builds on prior CRDF Global Commercialization Programs**
- **Recognizes gradual maturity of REC Host Universities**
- **Reflects growing Interest in Russia in Tech Commercialization**



# **Phase III: Innovation Practicum: Implementation**

- **Actually two different programs:**
  - **Practical Training for TTO**
  - **Practical Training for applied scientists**
- **Training led by both U.S. and Russian experts**
- **Training conducted on regional basis**
- **Initial evaluation of training quite positive**



# Phase III: Innovation Practicum: U.S. Travel Grants

- Grantees selected on Competitive Basis
- For TTO Reps: Introduction to Best Practices
  - *E.g., participation in AUTM Meetings*
- For aspiring entrepreneurs
  - Additional Training to polish business plans/pitches
  - Venture Salons, Meetings with Angels, VCs, corporate partners





# **Innovation Technology Commercialization Practicum**

## **(3day seminar + business plan competition):**

- **Vladivostok (May 2010);**
- **Rostov-on-Don (October 2010);**
- **Perm (March 2011);**
- **St.Petersburg (May 2011);**
- **Central Region: the exact location TBD (October 2011)**



# Thank You for Your Attention!

## **For More Information:**

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